

# (19) United States

# (12) Patent Application Publication (10) Pub. No.: US 2019/0293447 A1 O'Beirne et al.

#### Sep. 26, 2019 (43) **Pub. Date:**

## (54) MAPPING APPLICATION WITH TRANSIT **MODE**

(71) Applicant: Apple Inc., Cupertino, CA (US)

Inventors: Justin O'Beirne, San Francisco, CA (US); Eleanor Cady Wachsman, San Francisco, CA (US); Nathaniel V. Kelso, San Francisco, CA (US); Aaron A. Reiner, Mountain View, CA (US)

Assignee: Apple Inc., Cupertino, CA (US)

Appl. No.: 16/439,979 (21)

(22) Filed: Jun. 13, 2019

## Related U.S. Application Data

Continuation of application No. 15/645,889, filed on Jul. 10, 2017, now Pat. No. 10,345,117, which is a continuation of application No. 14/871,403, filed on Sep. 30, 2015, now Pat. No. 9,702,724, which is a continuation-in-part of application No. 14/869,993, filed on Sep. 29, 2015, which is a continuation-in-part of application No. 14/869,995, filed on Sep. 29, 2015, which is a continuation-in-part of application No. 14/545,680, filed on Jun. 6, 2015, now Pat. No. 9,726,506.

Provisional application No. 62/172,147, filed on Jun. 7, 2015, provisional application No. 62/172,147, filed on Jun. 7, 2015, provisional application No. 62/172, 147, filed on Jun. 7, 2015.

#### **Publication Classification**

(51) Int. Cl. (2006.01)G01C 21/36 G09B 29/00 (2006.01)G01C 21/32 (2006.01)G06T 11/00 (2006.01)G01C 21/34 (2006.01)

U.S. Cl.

G01C 21/3676 (2013.01); G09B 29/008 CPC ...... (2013.01); G01C 21/367 (2013.01); G01C 21/3423 (2013.01); G01C 21/32 (2013.01); G06T 11/001 (2013.01); G01C 21/3679 (2013.01)

#### (57)ABSTRACT

Some embodiments provide a mapping application that displays a transit map including a group of transit lines. The mapping application receives a request to display a transit route in the transit map. The mapping application also, in response to the received request, displays the transit route by modifying portions of transit lines along the route to emphasize the portions of the transit lines while modifying other transit lines not along the route to de-emphasize the transit lines not along the route.

